

Claims:

1. A method of upscaling a decompressed image comprising:
multiplying frequency domain coefficients for the decompressed image by
a scale factor to achieve a desired amount of image upscaling; and
padding the frequency domain coefficients with sufficient zeros to provide
the desired scaling.
2. The method of claim 1, wherein the frequency domain coefficients
comprise DCT transformed coefficients.
3. The method of claim 2, and further comprising:
inverse DCT transforming the scaled and padded DCT transformed
coefficients for the decompressed image to provide a spatial domain image.
4. The method of claim 1, wherein the desired scaling comprises integer
scaling.
5. The method of claim 1, and further comprising:
transforming the scaled and padded frequency domain coefficients for the
decompressed image to provide a spatial domain image.

6. The method of claim 1, wherein the decompressed image was decompressed from a block based specification compliant compressed image.
7. The method of claim 6, wherein the block based specification compliant compressed image comprises at least one of a JPEG specification compliant compressed image and an MPEG specification compliant compressed image, where MPEG and JPEG, respectively, refer to a family of video coding specifications associated and the compressed image is compliant with at least one specification from one of the respective families of specifications.
8. An article comprising: a storage medium, said storage medium having stored thereon instructions, that, when executed result in upscaling a decompressed image by:
- multiplying frequency domain coefficients for the decompressed image by a scale factor to achieve a desired amount of image upscaling; and
 - padding the frequency domain coefficients with sufficient zeros to provide the desired scaling.
9. The article of claim 8, wherein the frequency domain coefficients comprise DCT transformed coefficients.

10. The article of claim 9, wherein the instructions, when executed, further result in inverse DCT transforming the scaled and padded DCT transformed coefficients for the decompressed image to provide a spatial domain image.

11. The article of claim 9, wherein the desired scaling comprises integer scaling.

12. The article of claim 8, wherein the instructions, when executed, further result in transforming the scaled and padded frequency domain coefficients for the decompressed image to provide a spatial domain image.

13. The article of claim 9, wherein the decompressed image was decompressed from a block based specification compliant compressed image.

14. The article of claim 13, wherein the block based specification compliant compressed image comprises at least one of a JPEG specification compliant compressed image and an MPEG specification compliant compressed image, where MPEG and JPEG, respectively, refer to a family of video coding specifications associated and the compressed image is compliant with at least one specification from one of the respective families of specifications.

15. A system comprising:

a platform, said platform being adapted to up-scale decompressed images by multiplying frequency domain coefficients for the decompressed image by a scale factor to achieve a desired amount of image upscaling, and padding the frequency domain coefficients with sufficient zeros to provide the desired scaling.

16. The system of claim 15, wherein the frequency domain coefficients comprise DCT transformed coefficients.

17. The system of claim 16, wherein said platform is further adapted to inverse DCT transform the scaled and padded DCT transformed coefficients for the decompressed image to provide a spatial domain image.

18. The system of claim 15, wherein said platform is further adapted to inverse DCT transform the scaled and padded DCT transformed coefficients for the decompressed image to provide a spatial domain image.

19. The system of claim 15, wherein the system is further adapted to decompress a block based specification compliant compressed image.

20. The system of claim 19, wherein the block based specification compliant

compressed image comprises at least one of a JPEG specification compliant compressed image and an MPEG specification compliant compressed image, where MPEG and JPEG, respectively, refer to a family of video coding specifications associated and the compressed image is compliant with at least one specification from one of the respective families of specifications.

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